

## **PUBLIC NOTICE**

**APPLICATION NUMBER:** NRS 06.043

**APPLICANT:** State of Tennessee  
Department of Transportation  
Environmental Planning and Permits Division  
Suite 900, James K. Polk Building  
505 Deaderick Street  
Nashville, Tennessee 37243-0338  
(615) 253-2477

**LOCATION:** The project is on Davis Road over Haley Creek in Henderson County at LM 1.87 (35.6495°N, 88.3069°W). The project is located in the Chesterfield, TN (11-NE) quadrangle.

**WATERSHED DESCRIPTION:** The project is located in the Tennessee Western Valley (Beech) watershed (HUC 06040001). Haley Creek, at this location, has a channel bottom width of 8 to 10 ft., a top of bank width of 10 to 18 ft, and a bank height of 6 to 10 ft. The water width is about 8 to 12 ft. and a depth of about 2 to 3 ft. Haley Creek has not been assessed. The unnamed tributary to Haley Creek has been assessed as not being high quality. The unnamed tributary to Haley Creek has a channel bottom width of 1 to 2 ft., top of bank width of 2 to 3 ft., and bank height of 8 to 12 ft. The water depth is approximately 0.5 to 1 ft. and water width is 1 to 2 ft.

**PROJECT DESCRIPTION:** The applicant proposes to replace the existing bridge over Haley Creek and relocate an unnamed tributary to Haley Creek. The existing 3-span timber bridge would be removed and replaced with 47 ft. of a three-barrel concrete box bridge. Each barrel would be 12 ft. by 12 ft. Flow would be diverted during construction in a two-phases using temporary sheet piles and sandbags. A 172 ft. section of the unnamed tributary to Haley Creek would be relocated and replaced with 162 ft. of constructed channel. The constructed channel would have trees planted along the right descending bank. Those trees would consist of *Betula nigra* (River Birch), *Liquidamber styraciflua* (Sweetgum), *Plantanus occidentalis* (Sycamore), *Acer negundo* (Boxelder), and *Salix nigra* (Black Willow). The applicant has proposed a payment of \$2,000.00 dollars to the Tennessee Stream Mitigation Program as mitigation for the 10 ft. loss of stream.

In accordance with the Tennessee Antidegradation Statement (Rule 1200-4-3-.06), the division has determined that the replacing of the bridge will not result in degradation to water quality. However, the relocation of the unnamed tributary to Haley Creek has been determined to be degradation due to the loss of stream footage.

**PERMIT COORDINATOR:** Trent Thomas

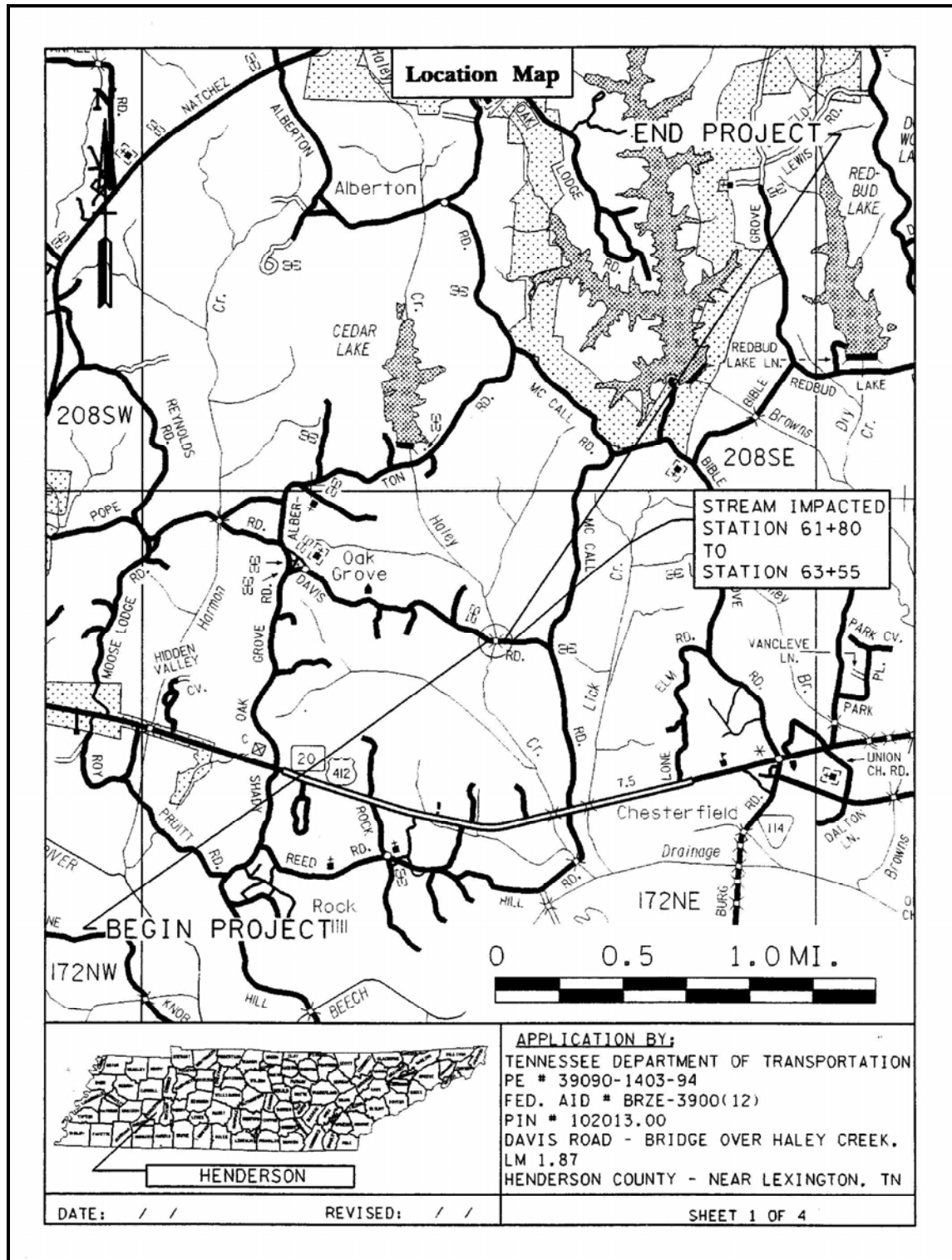


Figure 1: Location of proposed activity

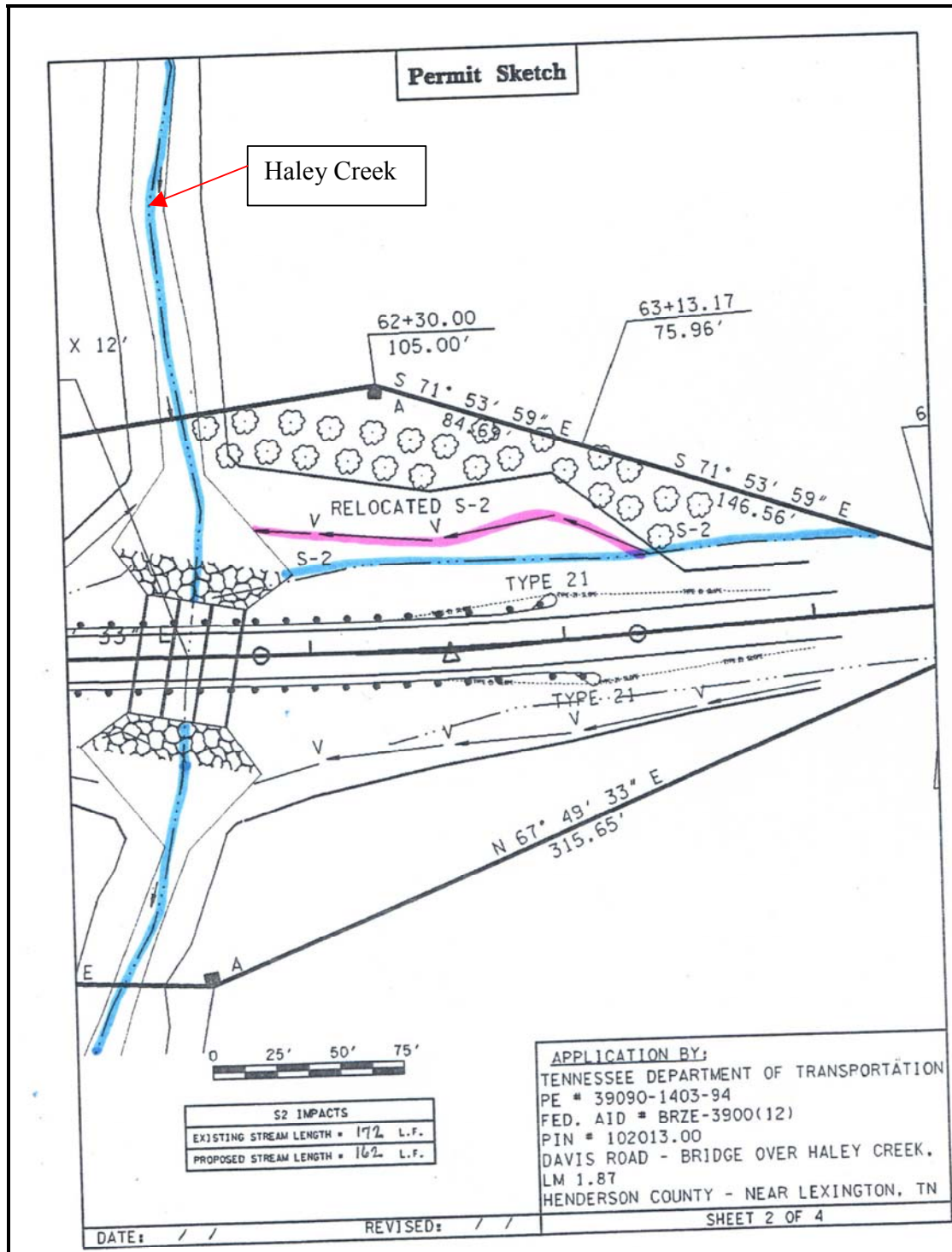


Figure 2: Plan view of proposed activity

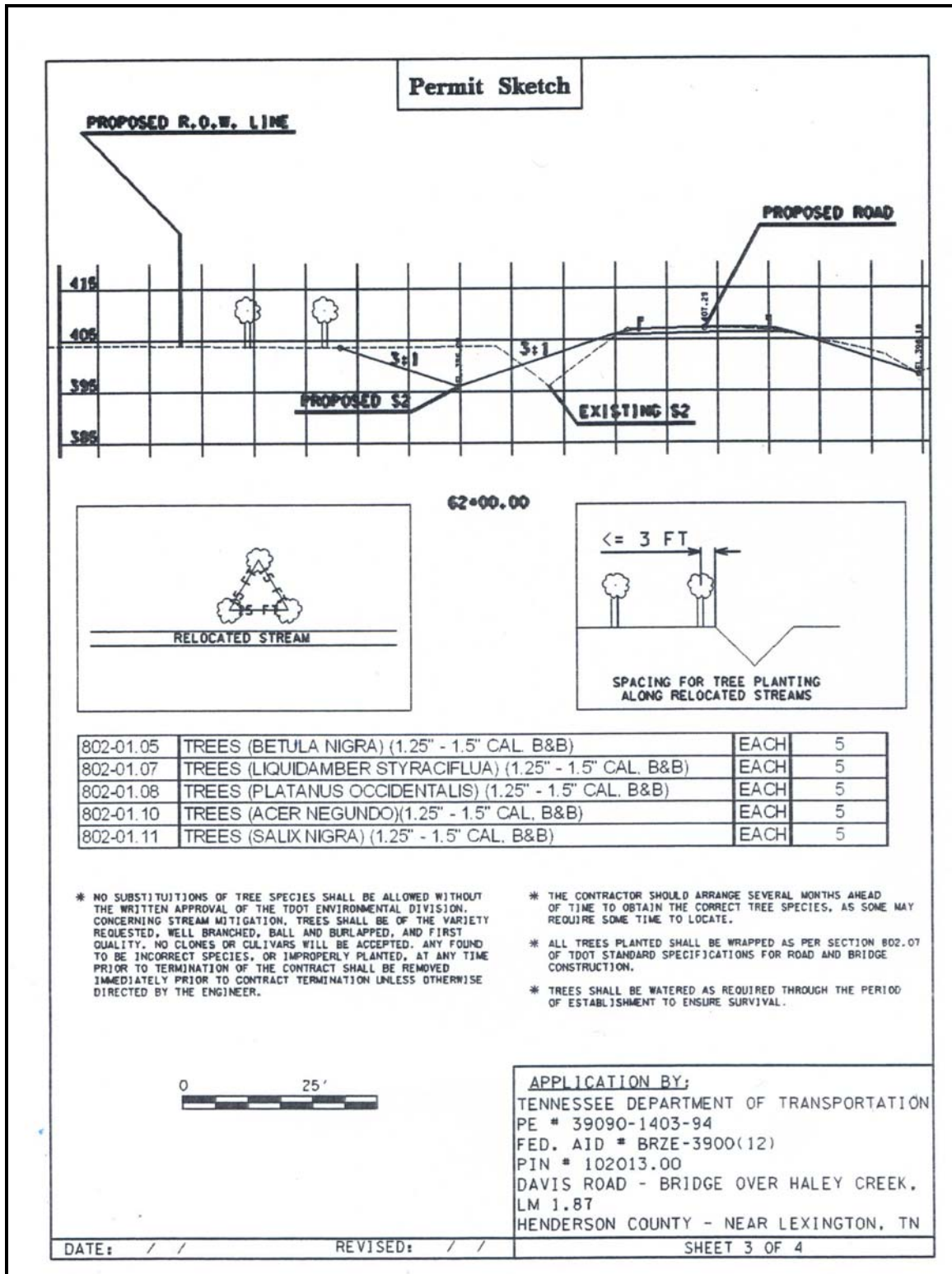


Figure 3: Tree planting details

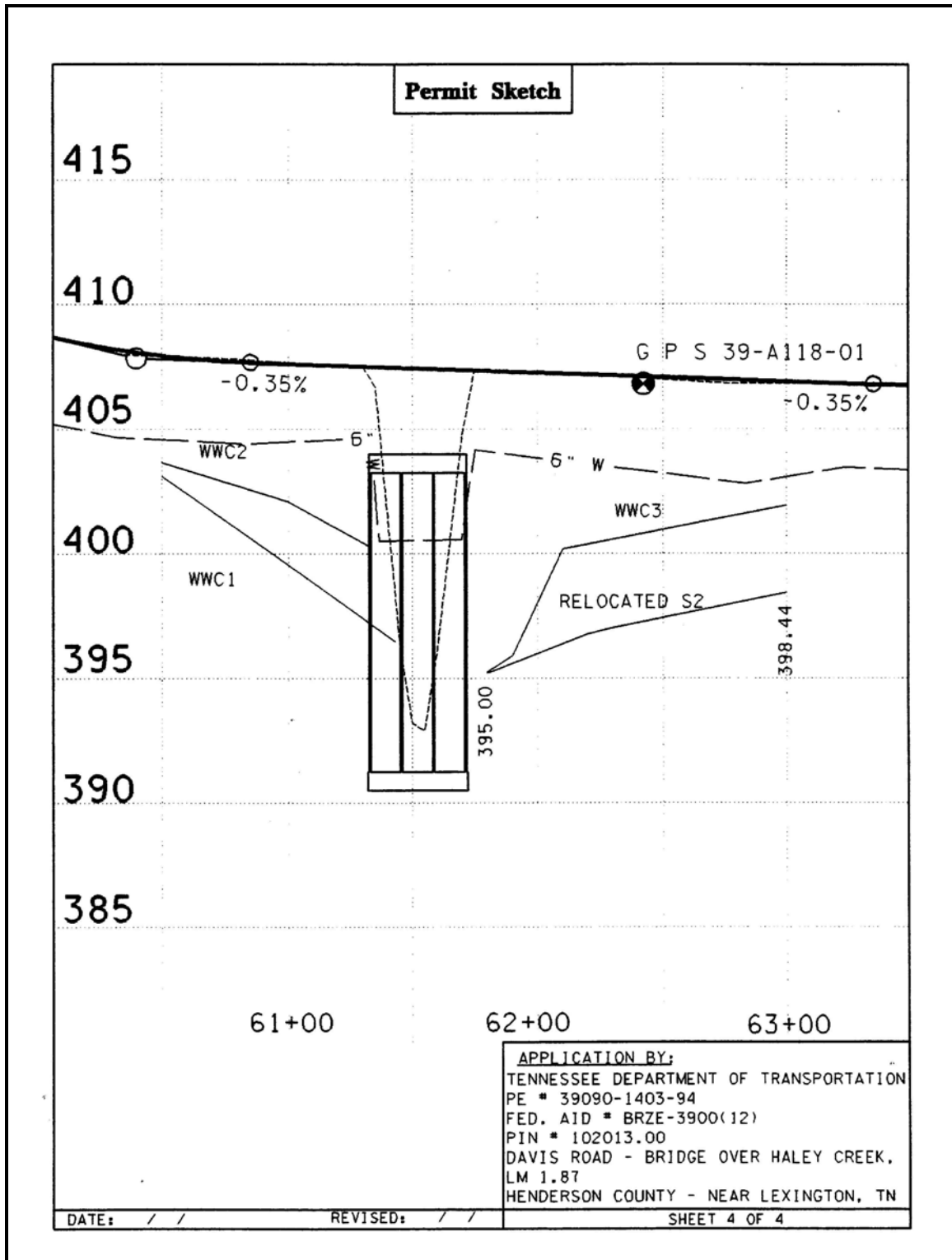


Figure 4: Cross section of proposed box bridge





Picture 1. Standing north of the bridge, looking south (downstream) S1



Picture 2. Standing south of the bridge, looking north (upstream) S1





Picture 7. Standing east of the bridge, looking west at the confluence of S1 and S2



Picture 8. S2 flowing west towards S1